TABLE 33

Federal obligations for basic research in engineering, by agency and detailed field: FY 2020 (Dollars in thousands)

Agency	Total	Aeronautical engineering	Astronautical engineering		Civil engineering	Electrical engineering	Mechanical engineering	Metallurgy and materials engineering	Other engineering
All agencies	2,897,912.5	70,357.1	14,899.7	94,067.1	16,302.7	205,349.7	115,557.7	281,055.0	2,100,323.6
Departments									
Department of Agriculture	55,748.3	0.0	0.0	43.0	0.0	0.0	0.0	0.0	55,705.3
Agricultural Research Service	6,405.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,405.9
Forest Service	3,863.4	0.0	0.0	43.0	0.0	0.0	0.0	0.0	3,820.4
National Institute of Food and Agriculture	45,479.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45,479.0
Department of Commerce	26,118.4	140.0	0.0	24.0	0.0	7,511.7	24.5	14,100.8	4,317.4
National Institute of Standards and Technology	26,118.4	140.0	0.0	24.0	0.0	7,511.7	24.5	14,100.8	4,317.4
Department of Defense	589,401.5	69,272.0	14,899.7	17,396.1	12,482.6	81,883.3	55,044.7	78,435.0	259,988.0
Defense Advanced Research Projects Agency	34,362.5	0.0	0.0	0.0	0.0	5,542.7	0.0	2,613.0	26,206.7
Department of the Air Force	270,596.1	37,361.3	6,241.7	5,838.4	11.8	17,697.8	19,653.4	8,465.6	175,326.1
Department of the Army	41,710.1	3,997.0	0.0	0.0	749.4	6,364.0	13,094.4	16,452.6	1,052.6
Department of the Navy	124,403.3	15,718.5	0.0	730.9	0.0	27,654.4	3,177.9	35,371.7	41,750.0
Other defense agencies	118,329.6	12,195.2	8,658.0	10,826.9	11,721.4	24,624.5	19,119.0	15,532.0	15,652.7
Department of Energy	50,825.3	0.0	0.0	13,104.1	0.0	15,751.9	5,705.8	9,960.8	6,302.7
Electricity Delivery and Energy Reliability	13,038.1	0.0	0.0	0.0	0.0	13,038.1	0.0	0.0	0.0
National Nuclear Security Administration	2,336.6	0.0	0.0	144.0	0.0	105.0	0.0	1,347.6	740.0
Office of Defense Nuclear Nonproliferation	2,336.6	0.0	0.0	144.0	0.0	105.0	0.0	1,347.6	740.0
Office of Science	35,450.5	0.0	0.0	12,960.1	0.0	2,608.8	5,705.8	8,613.2	5,562.7
Department of Health and Human Services	1,295,114.4	0.0	0.0	0.0	0.0	0.0	0.0	10,450.4	1,284,664.1
National Institutes of Health	1,295,114.4	0.0	0.0	0.0	0.0	0.0	0.0	10,450.4	1,284,664.1
Department of Homeland Security	22,702.8	945.0	0.0	0.0	0.0	0.0	0.0	0.0	21,757.7
Science and Technology Directorate	22,702.8	945.0	0.0	0.0	0.0	0.0	0.0	0.0	21,757.7

TABLE 33

Federal obligations for basic research in engineering, by agency and detailed field: FY 2020 (Dollars in thousands)

Agency	Total	Aeronautical engineering	Astronautical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgy and materials engineering	Other engineering
Department of the Interior	309.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	309.8
Bureau of Safety and Environmental Enforcement	309.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	309.8
Department of the Treasury	104.1	0.0	0.0	0.0	0.0	0.0	0.0	104.1	0.0
U.S. Mint	104.1	0.0	0.0	0.0	0.0	0.0	0.0	104.1	0.0
Department of Veterans Affairs	18,531.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18,531.6
Other agencies									
National Science Foundation	838,056.4	0.0	0.0	63,499.8	3,820.1	100,202.8	54,782.8	168,003.9	447,747.1
Nuclear Regulatory Commission	1,000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,000.0

Note(s):

Because of rounding, detail may not add to total. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. FYs 2020 obligations include additional funding provided by supplemental COVID-19 related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act). See technical table A-2 for additional notes associated with the agencies listed in this table.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2020-21.